

Converting Colors

$Yxy(21.3956, 0.1671, 0.3082)$

Have a look what the booklet for
Yxy(21.3956, 0.1671, 0.3082)
contains.

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Color

Yxy(24.3159, 0.2199, 0.3115)

Conversions

Conversions Part 1

Format	Color
Hex	00969F
RGB	0, 150, 159
RGB Percent	0%, 59%, 62%
CMY	0.9987, 0.4118, 0.3766
CMYK	1.00, 0.06, 0.00, 0.38
HSL	183°, 100%, 31%
HSV	183°, 100%, 62%
XYZ	17.1655, 24.3159, 36.5792
YIQ	106.1760, -92.2890, -29.0010

Conversions

Conversions Part 2

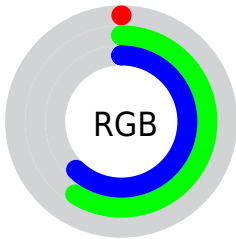
Format	Color
RYB	0, 77, 159
Decimal	38559
CIELab	56.40, -29.46, -14.20
CIELCh	56, 32.701, 205.740
Yxy	24.3159, 0.2199, 0.3115
Android (android.graphics.Color)	4278228639 (0xFF00969F)
YUV	106.1760, 26.0422, -93.1164
Hunter-Lab	49.3112, -24.1575, -9.4638

Details

The Yxy color **24.3159, 0.2199, 0.3115** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **7.5714, 0.6348, 0.3338**, and the grayscale version is **14.4371, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.7418, 0.2386, 0.3163**, and **10.0064, 0.2178, 0.3040** is the 20% darker color. If you saturate the color by 10%, you get **24.3088, 0.2199, 0.3115**, and if you desaturate by 10%, it is **24.7151, 0.2222, 0.3133**.

Distribution



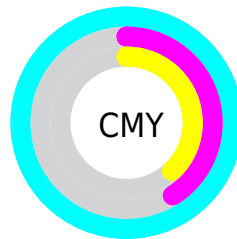
- Red (0%)
- Green (59%)
- Blue (62%)



- Red (0%)
- Yellow (30%)
- Blue (62%)



- Cyan (100%)
- Magenta (6%)
- Yellow (0%)
- Black (38%)





- Cyan (100%)
- Magenta (41%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.3159, 0.2199, 0.3115 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 24.3159, 0.2199, 0.3115 by changing the saturation by 10% instead.


 24.3159, 0.2199,
0.3115


 24.3159, 0.2199,
0.3115


274.4137, 0.2696,
0.3227


 15.5681, 0.2065,
0.3076


 50.5452, 0.2387,
0.3163

 9.2191, 0.1887,
0.3019


 68.7955, 0.2456,
0.3179


 4.8843, 0.1642,
0.2928

 90.9822, 0.2513,
0.3191

 2.1796, 0.1292,
0.2766

 117.4895, 0.2561,
0.3201

 0.7088, 0.0000,
0.2610

 148.7019, 0.2602,
0.3210

 0.0000, 0.0000,
0.0000

 185.0038, 0.2638,

0.3216

226.7796, 0.2669,
0.3222

■ 24.3159, 0.2199,
0.3115

■ 24.3159, 0.2199,
0.3115

■ 24.3088, 0.2199,
0.3115

■ 24.7151, 0.2222,
0.3133

■ 25.2025, 0.2258,
0.3152

■ 25.8150, 0.2311,
0.3171

■ 26.5683, 0.2384,
0.3190

■ 27.4756, 0.2474,
0.3208

■ 28.5488, 0.2581,
0.3226

■ 29.7984, 0.2703,
0.3244

■ 31.2342, 0.2837,
0.3260

■ 32.8650, 0.2980,
0.3276

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



24.3159, 0.2520, 0.3691



24.3159, 0.2199, 0.3115



24.3159, 0.2111, 0.2665

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



24.3159, 0.2199, 0.3115



24.3159, 0.3155, 0.2588



24.3159, 0.4034, 0.4146

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



24.3159, 0.2199, 0.3115



7.5714, 0.6348, 0.3338

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



24.3159, 0.4256, 0.3770



24.3159, 0.2199, 0.3115



24.3159, 0.3729, 0.2912

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



24.3159, 0.2199, 0.3115



24.3159, 0.2622, 0.2414



24.3159, 0.4148, 0.3329



24.3159, 0.3575, 0.4325

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



24.3159, 0.2199, 0.3115



24.3159, 0.2183, 0.2484



24.3159, 0.4148, 0.3329



24.3159, 0.4140, 0.4035

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



24.3168, 0.2199, 0.3115



53.1972, 0.2693, 0.3243



24.8090, 0.2990, 0.5960



11.7863, 0.2643, 0.3236



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.3168, 0.2199, 0.3115



43.4503, 0.2198, 0.3111



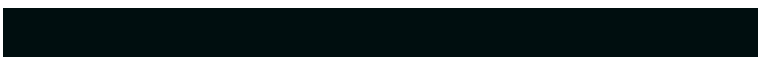
7.1030, 0.1734, 0.1439



7.4451, 0.2988, 0.3277



19.2264, 0.2199, 0.3116



0.3612, 0.2220, 0.3190

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



9.5777, 0.3354, 0.1622



17.1344, 0.3357, 0.1623



14.2808, 0.5242, 0.4217



6.7481, 0.3146, 0.3082



7.5631, 0.3353, 0.1621



0.1370, 0.3290, 0.1586

Previews

White Background



This preview shows how the Yxy color 24.3159, 0.2199, 0.3115 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 24.3159, 0.2199, 0.3115 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

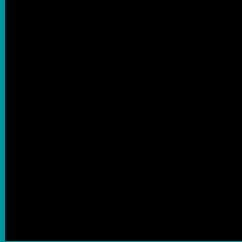
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.3159, 0.2199, 0.3115

Background



This preview shows how black text looks on a background with the Yxy color 24.3159, 0.2199, 0.3115.

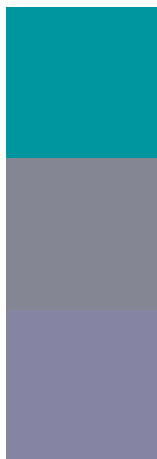


This preview shows how white text looks on a background with the Yxy color 24.3159, 0.2199, 0.3115.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

24.3159, 0.2199, 0.3115

Protanopia

24.1749, 0.2974, 0.3054

Deuteranopia

24.1334, 0.2830, 0.2784



Tritanopia

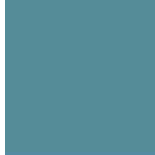
24.5229, 0.2199, 0.3060

Trichromacy



Original Color

24.3159, 0.2199, 0.3115



Protanomaly

22.9545, 0.2509, 0.3065



Deuteranomaly

23.0052, 0.2434, 0.2872



Tritanomaly

24.4504, 0.2199, 0.3078

Monochromacy



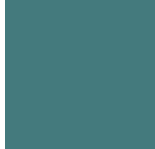
Original Color

24.3159, 0.2199, 0.3115



Achromatopsia

14.4128, 0.3127, 0.3290



Achromatomaly

16.6287, 0.2528, 0.3223

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3159, 0.2199, 0.3115 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(0, 150, 159)` looks like.

```
.text, #text, p{  
    color:rgb(0, 150, 159)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(0, 150, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 150, 159) }
```

Border

The CSS property to change the border of an element to Yxy 24.3159, 0.2199, 0.3115 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(0, 150, 159) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(0, 150, 159) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(0, 150, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 150, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 150, 159);  
box-shadow:4px 4px 4px 4px rgb(0, 150,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3159, 0.2199, 0.3115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 150, 159) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(0, 150,  
159) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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